

The EIAO Register Office,  
Environmental Protection Department  
27th floor, Southorn Centre,  
130 Hennessy Road, Wan Chai,  
Hong Kong

Your ref :

Our ref.: C10009-COR-ENVM-ENV-012343

Attention: Mr. Keith Lam

16 August, 2013

Dear Mr. Lam,

**Kwun Tong Line Extension**

**Environmental Permit No. EP-399/2010/B**

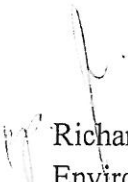
**Environmental Permit Condition 5.1 – Proposal of Alternative Monitoring Locations**

As specified in the approved KTE EM&A Manual, construction dust and noise monitoring should be carried out at CD1 and CN3 – Queen Elizabeth Hospital - Specialist Clinic. Please note that the building has been handed over from the Queen Elizabeth Hospital to their contractor for the demolition for redevelopment and the access has been denied since end July 2013. Notification to Queen Elizabeth Hospital - Specialist Clinic about the suspension of monitoring works and monitoring relocation arrangement is attached in Appendix A.

The proposal has been certified by the Environmental Team Leader and verified by the Independent Environmental Checker.

Should you have any queries on the proposal, please feel free to contact my Environmental Team colleagues Mr. William Chan at 3441 3148 or Mr. Alex Siu at 3441 3135.

Yours sincerely,



Richard Kwan  
Environment Manager

Encl.

c.c. Arup - Attn: Mr. Jacky Chan (w/o encl.) - by fax: 2268-3950

RK/FW/WC/AS/bl

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b.c.c. CM-KTE - Kenny Kong (w/ encl.)  
SLE-KTE - Richard Chui (w/ encl.)  
PCM - Prudence Chan (w/ encl.)

MTR Corporation Limited

Kwan Tong Line Extension (KTE)

Alternative Proposal for Dust and Noise Monitoring  
Stations at CD1 and CN3 – Queen Elizabeth Hospital -  
Specialist Clinic

Verified by: 

Position: Independent Environmental Checker

Date: 14 Aug 2013

MTR Corporation Limited

Kwan Tong Line Extension (KTE)

Alternative Proposal for Dust and Noise Monitoring  
Stations at CD1 and CN3 – Queen Elizabeth Hospital -  
Specialist Clinic

Certified by:  \_\_\_\_\_

Position: Environmental Team Leader

Date: 14 AUG 2013

MTR Corporation Limited

Kwun Tong Line Extension (KTE)

Alternative Proposal for Dust and Noise Monitoring  
Stations at CD1 and CN3 – Queen Elizabeth Hospital -  
Specialist Clinic

## 1. INTRODUCTION

As specified in the approved KTE EM&A Manual Table 4.1 and Table 5.1, construction dust and noise monitoring should be carried out at CD1 and CN3 – Queen Elizabeth Hospital - Specialist Clinic. The access to the clinic has been denied as it has been handover to other Department for demolition in end July 2013. The monitoring equipment thus has been removed. The specialist clinic was informed about the suspension of monitoring works and the relocation arrangement. This proposal aims to propose alternative monitoring locations for the certification by the Environmental Team Leader and verification by the Independent Environmental Checker before submission to EPD for approval.

## 2. PROPOSED ALTERNATIVE MONITORING LOCATIONS

In accordance with EM&A Manual Clauses 4.2.2.3 and 5.2.3.3, alternative dust or noise monitoring locations should be chosen based on the following criteria:-

- The monitoring location should be close to the major construction site activities which are likely to be subjected to construction dust or noise impacts;
- The monitoring location should be an air or noise sensitive receiver as defined in the EIAO-TM; and
- The assurance of the minimal disturbance to the occupants and working under a safe condition during monitoring.

Based on the criteria above, the Methodist School at Wylie Road being the nearest sensitive receiver along the first layer has been considered as the alternative monitoring location. A site visit to Methodist School has been conducted on 13 May 2013. Suitable electricity supply was identified at the roof for the dust monitoring equipment. Figure 2a shows the view from Methodist School to the Wylie Road Ancillary Building (WAB) construction site of KTE.

The Methodist School has been considered as a planned future NSR at the time of the EIA study. With consideration of the construction programme of the school, the clinic was selected as the monitoring point in EIA stage. However, the access to the clinic has been denied as it has been handover to other Department for demolition in end July 2013. With considering the approximately equal distance to the construction site boundary, there is no significant difference anticipated in construction environmental impact experienced by the clinic and the school. Figure 2b and 2d shows the locations of the proposed alternative monitoring locations.

In addition, access has also been granted by the school and electricity supply can be provided at roof level for the dust monitoring equipment. All dust monitoring equipment would operate under safe condition and with minimal disturbance to the public and the occupants. Figure 2c shows the location of the monitoring equipment at the roof of the school.

Figure 2a View from Methodist School to WAB construction site of KTE



Figure 2b View from Queen Elizabeth Hospital - Specialist Clinic to Methodist School and WAB site

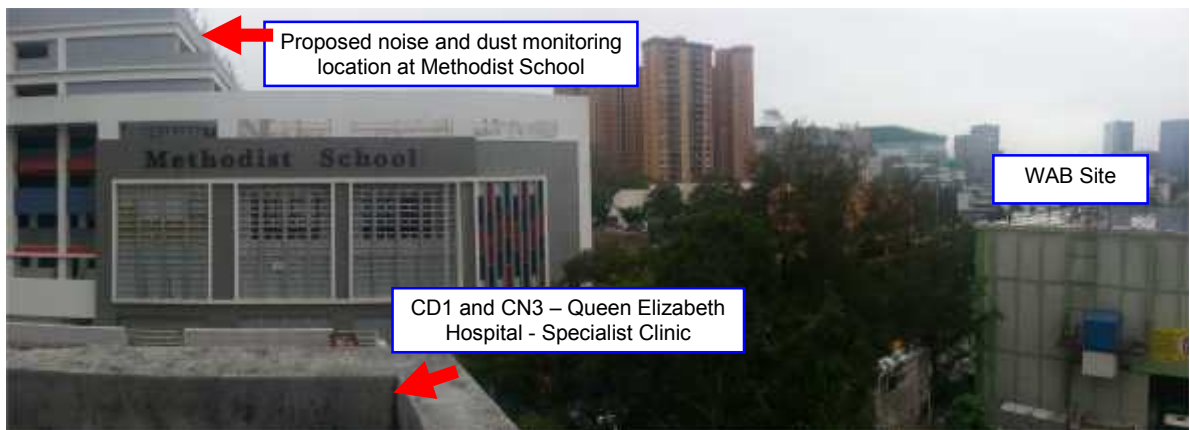
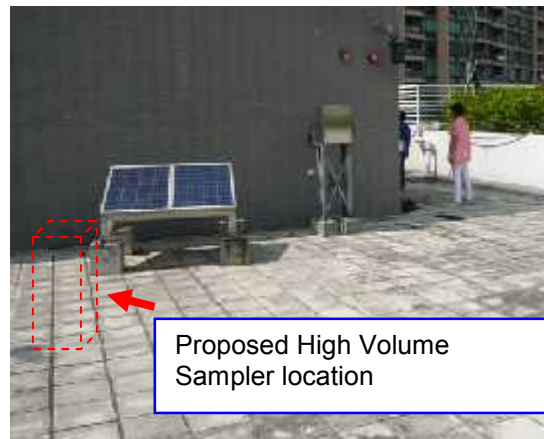


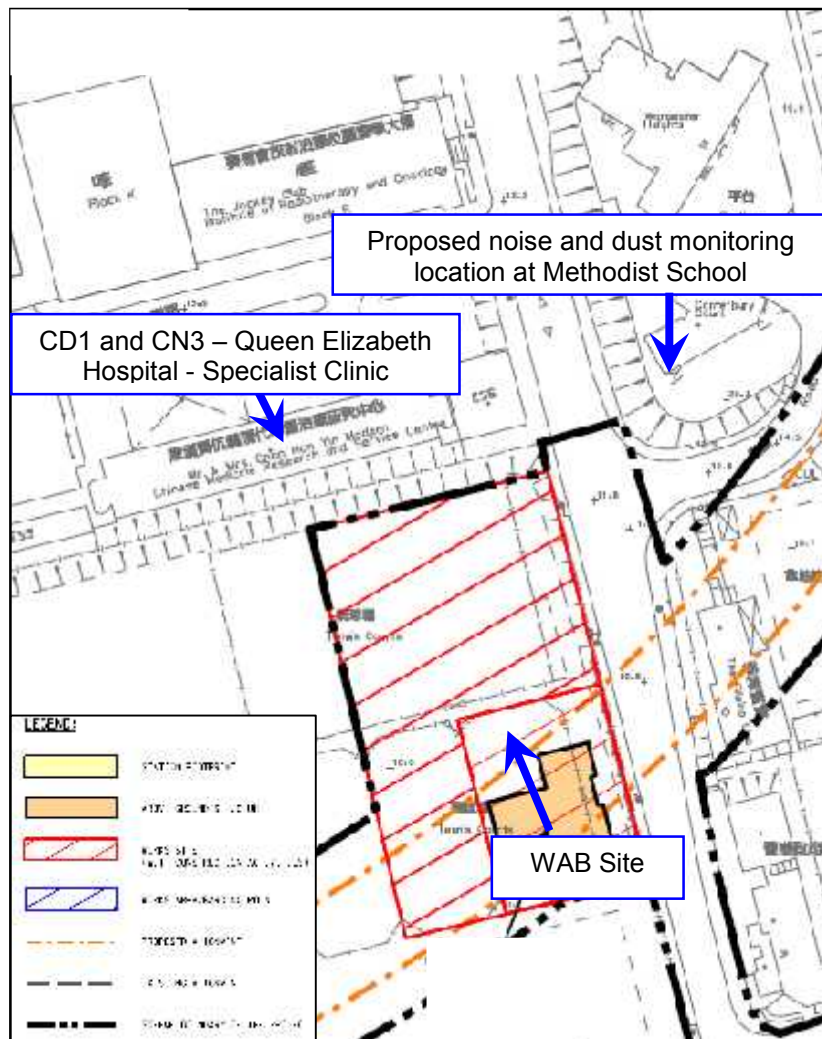
Figure 2c Roof of the Methodist School



The alternative location for CD1 and CN3 – Queen Elizabeth Hospital - Specialist Clinic is proposed at the Methodist School at Wylie Road. The dust monitoring will be conducted by using a High Volume Sampler which will be positioned at a minimum 2m separation from the parapet wall while the noise monitoring will be conducted at a point 1m from the exterior of the facade and 1.2m above ground at the proposed alternative monitoring location.



Figure 2d Alternative Monitoring Location for CD1 and CN3 – Queen Elizabeth Hospital - Specialist Clinic



### 3. CONCLUSION

Based on the criteria as stated in the KTE EM&A Manual, the proposed alternative monitoring location to replace CD1 and CN3 – Queen Elizabeth Hospital – Specialist Clinic as discussed in Section 2 above is considered appropriate for the monitoring of both construction dust and noise impacts during construction phase of the KTE Project.

As construction works at WAB work site have already been commenced since June 2011, baseline monitoring in accordance with the KTE EM&A Manual cannot be conducted.

With due consideration that the ambient dust level is attributed to both regional and local sources, and both the original and proposed alternative locations (CD1 & CD1a) are at approximately equal distance to Wylie Road which is the major local source of ambient dust level, it is considered adequate to adopt the original dust baseline data at CD1 for the proposed alternative monitoring location at

CD1a. As such, the Event / Action Plan on construction dust would not be affected.

A noise baseline check of 30-minute measurement at the proposed alternative monitoring location (CN3a) was conducted during noon time when no construction work was carried out in the vicinity. The baseline check result is summarized in Table 1. As the result is slightly higher than the range of the respective noise baseline at the original monitoring location (CN3), to be conservative, background noise correction will be carried out with the baseline value at CN3. As CN3a is educational institution, the Limit Level will be 70 dB(A) for normal school day and 65 dB(A) during examination period. The Event / Action Plan on construction noise would not be affected.

Table 1 Noise Baseline Check at CN4a

<b>Time Period</b>	<b>Baseline Value at CN3a, dB(A)</b>	<b>Baseline Value at CN3, dB(A)</b>
12:30-13:00	65	63-64